

PATENT

Case Docket No. ASMINT.049AUS

Date: February 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Granneman  
Appl. No. : 10/728,126  
Filed : December 3, 2003  
For : APPARATUS AND METHOD  
FOR THE ATOMIC LAYER  
DEPOSITION ON  
SUBSTRATES  
Examiner : Unknown  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 10, 2004

(Date)

*Adeel S. Akhtar*

Adeel S. Akhtar, Reg. No. 41,394

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

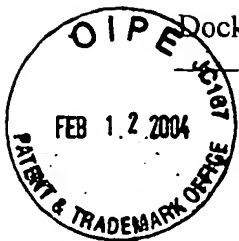
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing Thirty-Seven (37) references, of which 11 are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

*Adeel S. Akhtar*

Adeel S. Akhtar  
Registration No. 41,394  
Attorney of Record  
Customer No. 20,995  
(415)954-4114



## INFORMATION DISCLOSURE STATEMENT

Applicant : Granneman  
App. No. : 10/728,126  
Filed : December 3, 2003  
For : APPARATUS AND METHOD FOR THE  
ATOMIC LAYER DEPOSITION OF  
SUBSTRATES  
Examiner : Unknown  
Group Art Unit : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 37 references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: February 10, 2004

By: Adeel S. Akhtar

Adeel S. Akhtar  
Registration No. 41,394  
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(415) 954-4114

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ASMINT.049AUSAPPLICATION NO.  
10/728,126INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
GrannemanFILING DATE  
December 3, 2003GROUP  
Unknown

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER    | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
|---------------------|----|--------------------|----------|------------------|-------|----------|---------------------------------|
|                     | 1  | 3,854,443          | 12/17/74 | Baerg            |       |          |                                 |
|                     | 2  | 5,500,256          | 3/19/96  | Watabe           |       |          |                                 |
|                     | 3  | 5,542,559          | 8/6/96   | Kawakami et al.  |       |          |                                 |
|                     | 4  | 5,551,982          | 9/3/96   | Anderson et al.  |       |          |                                 |
|                     | 5  | 5,595,606          | 1/21/97  | Fujikawa et al.  |       |          |                                 |
|                     | 6  | 5,624,498          | 4/29/97  | Lee et al.       |       |          |                                 |
|                     | 7  | 5,674,320          | 10/7/97  | Kordina et al.   |       |          |                                 |
|                     | 8  | 5,711,811          | 1/27/98  | Suntola et al.   |       |          |                                 |
|                     | 9  | 5,811,022          | 9/22/98  | Savas et al.     |       |          |                                 |
|                     | 10 | 5,916,365          | 6/29/99  | Sherman          |       |          |                                 |
|                     | 11 | 5,983,906          | 11/16/99 | Zhao et al.      |       |          |                                 |
|                     | 12 | 6,042,652          | 3/28/00  | Hyun et al.      |       |          |                                 |
|                     | 13 | 6,097,005          | 8/1/00   | Akimoto          |       |          |                                 |
|                     | 14 | 6,111,225          | 8/29/00  | Ohkase et al.    |       |          |                                 |
|                     | 15 | 6,148,761          | 11/21/00 | Majewski et al.  |       |          |                                 |
|                     | 16 | 6,183,565 B1       | 2/6/01   | Granneman et al. |       |          |                                 |
|                     | 17 | 6,305,314 B1       | 10/23/01 | Sneh et al.      |       |          |                                 |
|                     | 18 | 6,364,949 B1       | 4/2/02   | Or et al.        |       |          |                                 |
|                     | 19 | 6,368,987 B1       | 4/9/02   | Kopacz et al.    |       |          |                                 |
|                     | 20 | 6,399,922 B2       | 6/4/02   | Okase et al.     |       |          |                                 |
|                     | 21 | 6,416,822 B1       | 7/9/02   | Chiang et al.    |       |          |                                 |
|                     | 22 | 6,428,859 B1       | 8/6/02   | Chiang et al.    |       |          |                                 |
|                     | 23 | 6,446,573 B2       | 9/10/02  | Hirayama et al.  |       |          |                                 |
|                     | 24 | US 2002/0066411 A1 | 6/6/02   | Chiang et al.    |       |          |                                 |
|                     | 25 | US 2002/0068458 A1 | 6/6/02   | Chiang et al.    |       |          |                                 |
|                     | 26 | US 2002/0197402 A1 | 12/26/02 | Chiang et al.    |       |          |                                 |

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
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## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|----|-----------------|----------|---------|-------|----------|-------------|----|
|                     |    |                 |          |         |       |          | YES         | NO |
|                     | 27 | JP402034915A    | 2/5/90   | Japan   |       |          | Abstract    |    |
|                     | 28 | JP404078130A    | 3/12/92  | Japan   |       |          | Abstract    |    |
|                     | 29 | JP361294812A    | 12/25/86 | Japan   |       |          | Abstract    |    |
|                     | 30 | JP362021237A    | 1/29/87  | Japan   |       |          | Abstract    |    |
|                     | 31 | JP 61263118A    | 11/21/86 | Japan   |       |          | Abstract    |    |
|                     | 32 | WO 00/63957     | 10/26/00 | PCT     |       |          | N/A         |    |
|                     | 33 | WO 00/79019 A1  | 12/28/00 | PCT     |       |          | N/A         |    |
|                     | 34 | WO 00/79576 A1  | 12/28/00 | PCT     |       |          | N/A         |    |
|                     | 35 | WO 01/17692 A1  | 3/15/01  | PCT     |       |          | N/A         |    |
|                     | 36 | 0015390B1       | 9/25/85  | EPO     |       |          | N/A         |    |
|                     | 37 | 0550058A2       | 7/7/93   | EPO     |       |          | N/A         |    |

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020304

EXAMINER

DATE CONSIDERED

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